



**INDIAN INSTITUTE OF TECHNOLOGY, KANPUR**

**GT ROAD, KALYANPUR, KANPUR – 208016**

**UTTAR PRADESH, INDIA**

**OPEN /SINGLE TENDER ENQUIRY**

**TENDER DOCUMENT**

For

**“Purchase of Eddy covariance flux tower system”**

### Tender Details:

<b>Tender Reference Number</b>	<b>KSS/2025-26/SAG/01</b>
<b>Item Description</b>	<b>Supply, Installation &amp; Commissioning of Complete Eddy Covariance Flux Tower System</b>
<b>Item Quantity</b>	<b>1</b>
<b>Bid Submission Start Date &amp; Time</b>	<b>04.02.2026 at 04:00PM</b>
<b>Bid Submission End Date &amp; Time</b>	<b>14.02.2026 at 04:00PM extended till 19.02.2026</b>
<b>Bid Opening Date</b>	<b>15.02.2026 extended till 20.02.2026</b>
<b>Bid Submission Address</b>	<b>Prof. Sarosh Alam Ghausi/ Mr. Vineet Dwivedi, Room No. 305, National Aerosol Facility, IIT Kanpur-208016</b>

Sealed quotations are invited for the purchase of the above items in the Two bid system. Both Technical bid and financial bid in separate envelopes must be kept in a big envelope which must be superscribed by Tender Reference number, Item Description and bid submission end date. The sealed copy of bids must reach the above designated address on or before the Bid Submission End Date & Time.

**1. List of Documents to be submitted in Technical Bid**

1. Copy of Bank details.
2. Copy of work experience.
3. Copy of the Company incorporation certificate.
4. Copy of specifications/brochures & tender acceptance letter, Country of Origin of goods/services and local content on Appendix 1-3.
5. Copy of other documents mentioned in **tender terms and conditions**.
6. Declaration for turnover and bidder's credentials on Appendix 4-6.

**Note:** - No indication of the rates/amounts be made in any of the documents submitted with the Technical Bid.

**2. List of Documents to be submitted in Financial Bid**

1. Financial Bid with Complete Break-up of Item

## **Technical Specifications:**

The bidder shall provide:

1. **Supply** of all sensors, tower, datalogger, power system, communication system, cables, enclosures, software, and accessories including necessary civil work required for the system
2. **Installation & Commissioning** of a 4–6 m flux tower with correct sensor mounting.
3. **Programming & Integration** of all instruments.
4. **Data pipeline** from field to PI's office through 4G/5G/Internet/ Cloud storage
5. **Processed outputs** including:
  - CO<sub>2</sub> flux, latent heat flux (LE), sensible heat flux (H), momentum flux
  - Surface energy balance components: Net Radiation, Shortwave radiation (up and down), Longwave radiation (up and down), Ground heat flux
  - Quality-controlled meteorological air temperature, humidity, Rainfall & soil moisture data
6. Demonstration and training on data downloading and other necessary functionalities of the system should be provided by the supplier
7. **Warranty & Support** for 12 months minimum.
8. **AMC** for three years minimum (Minimum 3 visits per year)
9. Supplier should ensure the after sales support for the minimum period of 5 year from the date of commissioning of the system.
10. Supplier has to install the software on the data receiving computer and ensure the automated data collection from the remote flux station.

Following instruments should be provided:

### **A. Eddy Covariance Fast Sensors**

#### **3-D Sonic Anemometer/Wind Measurement**

- Wind components (U, V, W)
- Measurement range (0 – 30m/s) or more
- Wind measurement accuracy:  $\pm 2\%$  of reading or  $\pm 0.05$  m/s, whichever is greater
- Sonic temperature accuracy  $\pm 0.2^\circ\text{C}$
- Sampling rate:  $\geq 10$  Hz
- Open protocol (RS-232 / RS-485 / SDI-12 / Ethernet)
- The sonic anemometer shall be eddy covariance grade, designed for high-frequency turbulence measurements.

#### **CO<sub>2</sub> and H<sub>2</sub>O Gas Analyzer**

- Open-path or closed-path suitable for eddy covariance flux measurements
- CO<sub>2</sub> Calibration Range: 0 to 1000  $\mu\text{mol mol}^{-1}$  or better
- CO<sub>2</sub> accuracy: 2 % of reading or better
- CO<sub>2</sub> Zero Drift (per  $^\circ\text{C}$ ):  $\pm 0.3$   $\mu\text{mol mol}^{-1}$  or equivalent long-term stability specification

- H<sub>2</sub>O Calibration Range: 0 to 60 mmol mol<sup>-1</sup> or higher
- H<sub>2</sub>O accuracy: 2 % of reading or better
- H<sub>2</sub>O Zero Drift (per °C): ±0.1 mmol mol<sup>-1</sup>
- Sampling ≥10 Hz
- Must allow full EC processing (WPL, spectral corrections)
- Operating temperature range of at least –10 °C to +50 °C
- Analyzer shall support field zero and span calibration or verification, and necessary calibration interface and accessories shall be provided.
- Gas analyzer shall be eddy covariance grade and validated for high-frequency EC flux measurements.

## B. Radiation Sensors

### 4-Component Net Radiometer

- (a) Number of signal outputs: 4 (providing simultaneous measurement of downward and upward shortwave and longwave radiation)
- (b) Response time (95 %): ≤18 seconds
- (c) Temperature dependence of sensitivity: < 5 % from -10 °C to +40 °C
- (d) Pyranometer
  - I. Spectral Range: 300 to 2800 nm
  - II. Uncertainty in Daily Total: < 5% (The uncertainty values are for a 95% confidence level.)
- (e) Pyrgeometer
  - I. Temperature sensors: 10 K thermistor or Pt-100 RTD
  - II. Spectral Range: 4500 to 42,000 nm
  - III. Uncertainty in Daily Total: < 10% (For a 95% confidence level)
- (f) Operating temperature range suitable for long-term outdoor deployment (at least –10 °C to +50 °C)

## C. Meteorological Sensors

- Air temperature (Accuracy ± 0.5 °C or better, Range -10°C to 50°C)
- Relative humidity (Accuracy ± 2% or better, Range 0 to 100%)
- Wind speed and direction
- Barometric pressure (± 0.5 hPa or better)
- Rain gauge (0.2 mm resolution or better)
- Sensors shall be compatible with the eddy covariance data logging system and provide synchronized measurements for flux processing and quality control

## D. Soil heat flux, soil temperature and soil moisture Sensors

### Soil Heat flux sensors

- Minimum two soil heat flux plates, installed as per standard EC practice

- Temperature range: -30°C to 70 °C
- Accuracy: +/- 4% or better

#### **Soil moisture sensors**

- Sensors installed at minimum of three depths
- Measurement range: 0% to 100% of VWC
- Accuracy:  $\pm 3\%$
- Precision: better than 0.2% VWC
- Sensors suitable for long-term burial and continuous outdoor operation

#### **Soil temperature sensors**

- Accuracy:  $\pm 0.5^\circ\text{C}$ ,
- Measurement range:  $-25^\circ$  to  $55^\circ\text{C}$

## **E. Data Acquisition and System Architecture**

The complete eddy covariance system shall include a fully integrated data acquisition, control, and processing system, which may be data-logger-based, analyzer-based, or a hybrid architecture, capable of autonomous operation.

The system shall be capable of fully autonomous operation, including:

- Acquisition of high-frequency ( $\geq 10$  Hz) raw EC data
- Acquisition of slow-response sensor data at user-defined intervals
- Precise time synchronization among all sensors
- Local data storage sufficient for extended communication outages
- Automatic recovery after power interruption
- Local data access via USB, Ethernet, or equivalent
- Solar-powered operation with battery backup providing at least 7 days autonomy
- The system shall resume normal operation automatically after power interruptions without loss of configuration or data integrity

## **F. Eddy Covariance Processing & Data Products**

The system shall include vendor-supplied or vendor-supported eddy covariance processing software capable of automatically processing high-frequency raw data at the site or within the system architecture, without manual intervention, to generate fully processed and quality-controlled flux products.

The system shall automatically generate 30-minute averaged flux datasets, including

- CO<sub>2</sub> flux
- Latent heat flux (LE)
- Sensible heat flux (H)
- Momentum flux

- Wind statistics
- Air temperature and humidity
- Rainfall
- Shortwave radiation (upwards)
- Shortwave radiation (downward)
- Longwave radiation (upward)
- Longwave radiation (downward)
- Ground heat flux
- Soil-moisture

All fluxes shall be reported in standard eddy covariance units suitable for ecosystem–atmosphere exchange studies.

The following eddy covariance processing steps shall be implemented automatically:

- Coordinate rotation (2-D or 3-D)
- WPL corrections
- Spike detection and removal
- Time lag compensation
- Stationarity and turbulence tests
- Quality control (QC) flagging
- Spectral corrections

All data shall be exportable in non-proprietary formats (CSV, NetCDF or equivalent). All raw high-frequency EC data shall remain accessible to the user for independent reprocessing.

## **G. Data Delivery and Telemetry**

The system shall include

- Integrated 4G/5G or equivalent telemetry
- Automated data transfer via cloud dashboard or FTP/SFTP
- Remote monitoring of power, sensor health, and system status
- System shall store raw high-frequency data from EC sensors locally. Minimum storage capacity shall support at least 30 days of continuous raw data at full sampling rate.

The supplier shall be responsible for:

- System configuration
- Sensor integration
- Processing workflow setup
- Initial system testing and commissioning
- Demonstration of data delivery and processed output

## **H. Tower & Power System**

- Self-supported 4–6 m tower including all necessary foundations and anchoring

- Height graduation marks for the above-ground part in 0.5-meter graduation
- Weatherproof enclosures for all data acquisition, telemetry, and control electronic
- Adjustable mounting of sensors according to the crop/canopy height
- At least 3m x 3m protective fencing around the tower
- All the cables shall be covered in protective conduits
- All accessories, including Booms, cables etc necessary to make the system fully and properly functional shall be supplied by the Bidder as a part of the Supply and Installation.
- Display board at IIT Kanpur showing basic meteorological data, remotely linked to the system
- Sensor mounting geometry and orientation shall follow standard eddy covariance guidelines, including proper separation distance, alignment, and boom mounting to minimize flow distortion.

## I. Installation, Commissioning, and Support

- Preventive maintenance under AMC shall include sensor inspection, cleaning, and system health checks with minimum 3 visits per year up to at least three years
- Remote diagnostics support to minimize site visits
- Minimum system data availability target:  $\geq 90\%$  annually under normal operating conditions

### Terms & Conditions:

General terms and conditions	1.	Ensure to specify the make & model of the offered product and provide the compliance sheet.
	2.	The price should be <b>F.O.R IIT Kanpur</b> .
	3.	Past 3 years, PO copies or installation certificates of the same or similar model along-with contact details of end users, need to be submitted as proof of supply.
	4.	Feedback from previous customers will be part of the technical evaluation.
	5.	The Institute reserves the right to cancel the tender at any stage without assigning any reason thereof.
	6.	Bidders will get all benefits under Rule-153 of GFR, 2017.
OEM/OSP Authorization	:	Tender specific Manufacturer Authorization Form from the OEM/OSP is required.
Warranty	:	The warranty of the product must be atleast 1 year with AMC of atleast three years.

Payment Terms	:	Payment will be released after successful installation and final acceptance.
Delivery Period	:	90 days
Experience	:	Bidders must have 3 years of experience in supplying similar types of equipment and long-term services for the same/similar model of equipment in IITs/NITs or any other Govt. Organization.
Minimum Average Annual Turnover of the Bidder (Last 3 years)	:	(50% of estimated value)
OEM Average Turnover (Last 3 years)	:	(400% of estimated value)
Performance Security	:	The Successful bidder has to submit <b>Performance Security of (3%) of the contract value</b> in favour of the <b>Registrar, IIT Kanpur</b> in the form of an Account Payee Demand Draft/Fixed Deposit Receipt from a commercial bank/Bank Guarantee (including e-Bank Guarantee).
Earnest Money Deposit (EMD)	:	The bidders must furnish <b>(3%)-</b> as EMD in the form of the Demand Draft/FDR/BG in favour of the Registrar, IIT Kanpur, payable at Kanpur. The EMD is to be submitted at the address given below. Bids without EMD will be summarily rejected.
Reasonableness of Rates	:	To validate the reasonableness of the quoted rates, the bidder(s) must submit a detailed price breakdown of the items listed in the past purchase orders pertaining to the same or similar items supplied to IITs/NITs/any other educational institutions in India. This breakdown must clearly specify the price of goods/services (Ex-works), handling, packing, shipping, insurance costs, foreign bank fee (LC), agency commission (INR), etc.

Sarosh Alam Ghausi  
(Kotak School of Sustainability)  
IIT Kanpur-208016

➤ **Selection Criteria:**

**Phase-I: Technical Evaluation**

Technical evaluation will be done based on information/item or product catalogue provided in technical bids submitted by the bidders. A bid containing partial, incomplete, unclear, superfluous and unwanted information will be summarily rejected.

Technical declaration must be supported with relevant documents. Discrepancy in relevant supporting documents and technical compliance sheet shall lead to rejection of technical bids.

**Phase-II**

- a. Financial bids of technically qualified shall be opened.
- b. Financial evaluation is purely done on the total financial implication.
- c. Financial Bids with any superfluous, unreasonable rates will be summarily rejected.

➤ **Late Delivery:**

Delivery must be completed within the period mentioned in tender document from the date of receipt of the order. Penalty @ 0.5 % per week or part thereof subject to a maximum of 10% of the delivery price will be deducted from the balance payment if supply is not completed within stipulated period.

➤ **Instruction to the bidder of countries which share land border with India (Rule 144(xi) of GFRs, 2017)**

- I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT). Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with any entity from a country which shares a land border with India, shall also require to be registered with the DPIIT.
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder (or entity) from a country which shares a land border with India" for the purpose of this Order means: -
  - a. An entity incorporated, established, or registered in such a country; or
  - b. A subsidiary of an entity incorporated, established, or registered in such a country; or
  - c. An entity substantially controlled through entities incorporated, established, or registered in such a country; or
  - d. An entity whose beneficial owner is situated in such a country; or
  - e. An Indian (or other) agent of such an entity; or

- f. A natural person who is a citizen of such a country; or
- g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

**IV.** The beneficial owner for the purpose of (III) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

**Explanation-**

- a. "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company.
  - b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholders agreements or voting agreements.
2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.
  3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.
  4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.
  5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

**V.** An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

[Note: i. A person who procures and supplies finished goods from an entity from a country which shares a land border with India will, regardless of the nature of his legal or commercial relationship with the producer of the goods, be deemed to be an Agent.

ii. However, a bidder who only procures raw material, components etc. from an entity from a country which shares a land border with India and then manufactures or converts them into other goods will not be treated as agent.]

**VI.** In case of tenders for Works contracts, including Turnkey contracts, The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority .

**VII.** The registration shall be valid at the time of submission of bid and at the time of acceptance of bid.

**VIII.** If the bidder was validly registered at the time of acceptance / placement of order, registration shall not be a relevant consideration during contract execution.

- As per the Ministry of Commerce and Industry Order No. P-45021/2/2017-PP(BE-II) dated 16.09.2020 preference shall be given to Make in India products for which it is mandatory for

bidders to declare Country of Origin of goods and percentage of Local contents in the product.

**Definitions:**

“Local Content” means the amount of value added in India which shall, unless otherwise prescribed by the Nodal Ministry, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all customs duties) as a proportion of the total value, in percent.

“Class-I local supplier” means a supplier or service provider, whose goods, services or works offered for procurement, has local content to or more than 50%, as defined under this order.

“Class-II local supplier” means a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%, as defined under this order.

“Margin of purchase preference” means the maximum extent to which the price quoted by a Class-I local supplier may be above the L1 for the purpose of purchase preference. (shall be 20%)

**Purchase Preference:**

- (a) Subject to the provisions of this Order and to any specific instructions issued by the Nodal Ministry or in pursuance of this Order, purchase preference shall be given to ‘Class-I local supplier’ in procurements undertaken by procuring entities in the manner specified here under.
- (b) In the procurements of goods or works, which are covered by para 3(b) above and which are divisible in nature, the Class-I local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
  - i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is Class local supplier', the contract for full quantity will be awarded to L1.
  - ii. If L1 bid is not a 'Class-I local supplier', 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the 'Class-I local supplier' will be invited to match the L1 price for the remaining 50% quantity subject to the Class-I local supplier's quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such 'Class-I local supplier' subject to matching the L1 price. In case such lowest eligible 'Class-I local supplier' fails to match the L1 price or accepts less than the offered quantity, the next higher 'Class-I local supplier' within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on Class-I local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- (c) In the procurements of goods or works, which are covered by para 3(b) above and which are not divisible in nature, and in procurement of services where the bid is evaluated on price alone, the 'Class-1 local supplier' shall get purchase preference over 'Class-II local supplier' as well as 'Non-local supplier', as per following procedure:
  - i. Among all qualified bids, the lowest bid will be termed as L1. If L1 is 'Class-1 local supplier', the contract will be awarded to L1.
  - ii. If L1 is not 'Class-1 local supplier', the lowest bidder among the 'Class-I local supplier', will be invited to match the L1 price subject to Class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such 'Class-I local supplier' subject to matching the L1 price.

- iii. In case such lowest eligible 'Class-1 local supplier' fails to match the L1 price, the 'Class-1 local supplier' with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the 'Class-1 local supplier' within the margin of purchase preference matches the L1 price, the contract may be awarded to the L1 bidder.
- (d) "Class-II local supplier" will not get purchase preference in any procurement, undertaken by procuring entities.

**(A)**  
**COMMERCIAL TERMS AND CONDITIONS**

**1. DEFINITIONS**

These Commercial Terms and Conditions shall constitute the General Conditions of Contract, where no separate contract is signed with the selected Bidder(s), and, the Bidders by putting their signature and stamp on each page of this Section V are binding themselves to these Terms and Conditions. In the Commercial Terms and Conditions as defined below, words and expressions shall have the following meanings assigned to them:

- a. "Contract" means the agreement of the Parties relating to the procurement of Goods and / or the IITK Purchase Order (PO), and all attachments incorporated by reference, which shall form an integral part of the Contract. In the event of any discrepancy, the documents to prevail shall be given precedence in the following order: (i) the Contract (where separately signed), (ii) the IITK Purchase Order, (iii) its attachments, and (iv) these Commercial Terms and Conditions;
- b. "Contractor" means the person or entity named in the 'CONTRACTOR' named field of the IITK Purchase Order and any agreed in writing by the IITK legal successor(s) in title;
- c. "Day" means any calendar day;
- d. "Delivery Date" means the latest possible date by which the Goods shall be delivered by the Contractor to the IITK, as specified in the 'DELIVERY DATE' named field of the IITK Purchase Order;
- e. "Force Majeure" shall mean any unforeseeable exceptional situation or event beyond the Parties' control which prevents either of them from fulfilling any of their obligations under the Contract, was not attributable to error or negligence on their part (or of their partners, contractors, agents or employees), and could not have been avoided by the exercise of due diligence. Defects in equipment or material or delays in making them available, labour disputes, strikes or financial problems cannot be invoked as Force Majeure by the defaulting Party. Neither of the Parties shall be held liable for breach of its obligations under the Contract if it is prevented from fulfilling them by Force Majeure. The Party invoking Force Majeure shall notify the other without delay, stating the nature, likely duration and foreseeable effect, and take any measure to minimise possible damage;
- f. "Goods" means all of the goods to be supplied to the IITK by the Contractor under the Contract;
- g. "IITK" means the Indian Institute of Technology Kanpur;
- h. "IITK Purchase Order" means the IITK's official Purchase Order document;
  - (i) "Party" means the IITK or the Contractor and "Parties" means the IITK and the Contractor; and
  - (ii) "Place(s) of Delivery" means the location(s) or place(s) where the Goods are to be delivered, as specified in the 'SHIP TO' named field of the IITK Purchase Order.

**2. CONCLUSION OF THE CONTRACT**

- 2.1.** The Contract is made between the IITK and the Contractor. The Contractor is engaged as an independent contractor for the sole purpose of delivering the Goods.

- 2.2. The Contract shall be concluded upon the Contractor duly following the countersigning procedure as stated in the IITK Letter of Intent (LOI).

### **3. FUNDING**

This Contract shall become and remain effective only on the condition that an official Purchase Order is issued by IITK following the conclusion of tender exercise. In the event this is not or no longer shall the case, the IITK without unreasonable delay notify the Contractor thereof.

Any continuation of the Contractor's performance under this Contract after being notified by the IITK shall be at the Contractor's risk and expense.

### **4. DELIVERY AND TAKE-OVER OF GOODS**

The Contractor shall deliver the Goods at the Place(s) of Delivery. On behalf of the IITK, a duly authorised representative(s), shall take-over the Goods upon delivery. Take-over of the Goods by the IITK shall not be deemed acceptance of the Goods by the IITK. The time of delivery as specified in the Contract / PO shall be strictly adhered to, and time shall be of the essence.

### **5. QUALITY OF GOODS**

- 5.1. The Contractor shall deliver Goods that are:
- a. of the quality, quantity and description as required by the Contract / PO; and
  - b. free from any right or claim of a third party, including rights based on industrial property or other intellectual property.
- 5.2. Should the Goods be of the type "homogeneously defined" or disposable, the Contractor shall provide a sample and undertake, certify, and guarantee that all Goods delivered shall be of the same quality and characteristics as the sample(s) provided.

### **6. INSPECTION AND ACCEPTANCE**

- 6.1. The duly authorised representative(s) of the IITK shall have the right, before payment, to inspect the Goods either at the Contractor's stores, during manufacture, at the ports and/or in places of shipment, or at the Place(s) of Delivery. The Contractor shall provide all facilities for such inspection. The IITK may issue a written waiver of inspection. Any inspection carried out by representative(s) of the IITK or any waiver thereof shall be without prejudice to other provisions of the Contract concerning obligations assumed by the Contractor, including specifications of the Goods.
- 6.2. Upon delivery and inspection of the Goods, the IITK shall inspect the goods as soon as possible and complete the Goods Receiving Document. Should any Goods fail to conform to the technical specifications, codes and standards under the Contract, the IITK may reject the Goods. The Contractor shall, at no cost to the IITK, replace the rejected Goods or, alternatively, rectify the non-conformity.
- 6.3. In the case of Goods ordered on the basis of specifications or samples, the IITK shall have the right to reject the Goods or any part thereof and terminate the Contract if the Goods do not conform to the specifications and/or samples. Nothing in this clause shall in any way release the Contractor from any warranty or other obligations under the Contract.

### **7. SHIPPING AND INSURANCE**

For overseas orders, shipping arrangements shall be co-ordinated by IITK. Original shipping documents including the packing list shall be airtailed/mailed by the Contractor to the (Deputy Registrar (S&P), IIT, Kanpur – 208 016, UP, India).

### **8. OBSERVANCE OF LAW AND EXPORT LICENCES**

The Contractor shall comply with all laws, ordinance, rules and regulations bearing upon the performance of its obligations under the terms of the Contract. If an export licence or any

other governmental authorisation is required for the Goods, it shall be the obligation of the Contractor to obtain such licence or governmental authorisation. In the event of the Contractor's failure to obtain such licence or authorisation within a reasonable time, the IITK may immediately terminate the Contract. Where the award procedure or execution of the Contract is vitiated by substantial errors or irregularities or by fraud, the IITK shall suspend execution of the Contract.

Where such errors, irregularities or fraud are attributable to the Contractor, the IITK may also refuse to make payments or may recover monies already paid, in proportion to the seriousness of the errors, irregularities or fraud. The purpose of suspending the Contract shall be to verify whether presumed substantial errors and irregularities or fraud have actually occurred. If they are not confirmed, execution of the Contract shall resume as soon as possible. A substantial error or irregularity shall be any infringement of a contract or regulatory provision of India, resulting from an act or an omission that causes or might cause a financial loss.

## **9. PRICE**

The price of the Goods shall be as stated in the Purchase Order and may not be increased.

## **10. PAYMENT**

- 10.1.** Unless otherwise stipulated in the Purchase Order, the IITK shall make payment within thirty (30) Days of the later of:
  - a.** Successful delivery of the goods to IITK as confirmed by the consignee (Assistant Registrar, Store & Purchase, IIT-Kanpur), endorsed by the indenter and approved by the indenters' Head of Department / Section;
  - b.** Receipt of customary shipping documents and any other documents specified in the Contract; and (c) Receipt of the original invoice issued by the Contractor.
- 10.2.** All invoices shall be in original and shall contain the IITK Purchase Order number, and a description, the quantities, unit and total price(s) of the Goods delivered. The currency of invoice and payment shall be as specified in the Purchase Order. Unless otherwise authorised by the IITK, a separate invoice shall be submitted for each shipment under the Contract / PO. Subject to Clause 11 below ('Tax Exemption'), if applicable, the GST amount shall be separately identified in the invoice.
- 10.3.** Payments shall be made in the currency stated in the Contract / PO, on the basis of the equivalent value of INR on the day of payment and paid directly into the nominated bank account.
- 10.4.** The IITK shall not pay any charge for late payments.

## **11. TAX EXEMPTION**

The Contractor's price shall reflect any tax exemption to which the IITK is entitled. If it is subsequently determined that any taxes that have been included in the price are not required to be paid or if, having been paid, any such taxes are subject to refunding, the IITK shall deduct the amount from the Contract price. Payment of such adjusted amount shall constitute full payment by the IITK. In the event that any taxing authority refuses to recognize the IITK's exemption from taxes, the Contractor shall immediately consult with the IITK to determine a mutually acceptable procedure for settling the applicable amount.

## **12. WARRANTY**

- 12.1.** The Contractor warrants that the Goods furnished under the Contract conform to the technical specifications, description and standards specified in the Contract, and are new and unused, and free from defects in design, workmanship and/or materials.

- 12.2.** The Contractor shall provide a warranty for the Goods for a period of one year from the date of acceptance of the Goods by the IITK, unless the standard manufacturer's warranty period is longer in which case the longer period shall apply.
- 12.3.** In the case of "homogeneously defined" or disposable goods, should any portion of the Goods, at any time, not comply with clause 5.1 or 5.2 herein or otherwise prove to be defective, the Contractor shall, upon written notification from the IITK, replace that portion of the Goods and bear all costs associated with the replacement of same.

### **13. PACKING**

- 13.1.** The Goods shall be packed and marked in a proper manner and in accordance with the Contract and any statutory requirements and any requirements of the carrier(s). In particular, the Goods shall be marked with the IITK Purchase Order number and the net, gross and tare weights, the name of the contents shall be clearly marked on each container and all containers of hazardous goods (and all documents relating thereto) shall bear prominent and adequate warnings.
- 13.2.** The Contractor shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination and the absence of appropriate handling facilities at all points in transit.
- 13.3.** All packaging materials shall be non-returnable.

### **14. DEFAULT AND DAMAGES**

- 14.1.** If due to reasons attributable to the Contractor, the Contractor fails or refuses to:
- a. deliver any or all of the Goods under the Purchase Order;
  - b. comply with any or all of the terms and conditions set out in the Purchase Order; or
  - c. deliver any or all of the Goods under the Purchase Order on or before the Delivery Date; the IITK may hold the Contractor in default under the Purchase Order.
- 14.2.** When the Contractor is thus in default, the IITK may, by written notice to the Contractor, immediately terminate the Purchase Order in whole or in such part or parts thereof in respect of which the Contractor is in default.
- 14.3.** Alternatively, to clause 14 above when the Contractor is thus in default, the IITK may, at its own discretion, set a reasonable period of time for the Contractor to remedy its default. Any new Delivery Date shall be specified in a written amendment to the Purchase Order, duly countersigned by the Contractor.
- 14.4.** The IITK may, at its discretion, impose penalties upon the Contractor calculated in accordance with clause 15 for each Day the Contractor is late in delivering the Goods past the Delivery Date initially specified in the Purchase Order.
- 14.5.** If the Contractor does not remedy its default within the period of time accorded under clause 16, the IITK may, by written notice to the Contractor, terminate the Purchase Order with immediate effect.
- 14.6.** Upon any termination of the Purchase Order, in whole or such part(s) thereof in respect of which the Contractor is in default, the IITK may engage another contractor to deliver the Goods and recover any difference in price and any additional costs from the Contractor.
- 14.7.** The Contractor shall indemnify the IITK for all losses, charges, costs and expenses, which the IITK may suffer or incur as a result the Contractor's default, including those resulting from engaging another contractor pursuant to this clause 14.

### **15. PENALTIES**

If, in accordance with clause 15, the IITK imposes penalties on the Contractor, such penalties shall amount to One percent (1%) of the total Purchase Order price for each week following the initial Delivery Date specified in the Purchase Order but shall not amount to more than

Ten percent (10%) of the total Purchase Order value. The penalties for the delay may be deducted by IITK from any sum(s) due, or to become due, by the IITK to the Contractor.

#### **16. DELAY NOT ATTRIBUTABLE TO THE CONTRACTOR**

If the Contractor is delayed at any time in the delivery of the Goods or fulfilment of any other of the Contractor's obligations by any act or omission of the IITK, or by any of its officials, or by any separate contractor(s) contracted by the IITK, or by changes ordered in the type and/or quantity of the ordered Goods, or the Place(s) of Delivery, or any causes beyond the Contractor's reasonable control, or by any other cause, which the IITK determines may reasonably justify the delay, the Delivery Date of the Goods, or fulfilment of any other of the Contractor's applicable obligations shall be extended for such reasonable period of time as the IITK and the Contractor mutually determine. The set reasonable period of time and any amended delivery date shall be specified in a written amendment to the Contract / PO, duly countersigned by the Contractor.

#### **17. FORCE MAJEURE**

As soon as possible after the occurrence of any event constituting Force Majeure, but no later than three (3) Days, the Contractor shall give notice and full particulars in writing to the IITK of the Force Majeure. If the Contractor is thereby rendered unable, wholly or in part, to meet its obligations under the Contract, the IITK may terminate the Contract / PO with immediate effect by providing written notice to the Contractor.

#### **18. INDEMNITY**

- 18.1.** The Contractor shall indemnify, hold and save harmless and defend at its own expense the IITK, and all of the foregoing's officials, agents, servants and employees from and against all suits, claims, demands and liability of any nature or kind, including costs and expenses, arising out of acts or omissions of the Contractor or its employees, agents or subcontractors in the performance of the Contract.
- 18.2.** Clause 18 shall include, without limitation, claims and liabilities in the nature of workmen's compensation and claims and liabilities arising out of the use of patented inventions or devices.

#### **19. ASSIGNMENT**

- 19.1.** The Contractor shall not assign, transfer, pledge or make other disposition of the Purchase Order or any part thereof or of any of the Contractor's rights, claims or obligations under the Purchase Order except with the express written consent of the IITK. Any assignment made without such consent shall be void and of no effect.
- 19.2.** The Contractor shall not subcontract any of its obligations under the Contract / PO without the express written consent of the IITK. The IITK may require the Contractor to furnish particulars of the proposed subcontract as the IITK deems necessary.
- 19.3.** The IITK's approval of any subcontracting shall not relieve the Contractor from any liability or obligation under the Contract. In any subcontract, the Contractor agrees to bind the subcontractor by the same terms and conditions by which the Contractor is bound under the Contract / PO.

#### **20. INSOLVENCY AND BANKRUPTCY**

- 20.1.** Should the Contractor become insolvent or should control of the Contractor change by virtue of insolvency, the IITK may with immediate effect and without prejudice to any other right or remedy available to it, suspend the performance of the Contractor's obligations or terminate the Purchase Order with immediate effect, by providing the Contractor with written notice thereof.

**20.2.** Should the Contractor be adjudged bankrupt, or should the Contractor make a general assignment for the benefit of its creditors, or should a receiver be appointed on account of the Contractor's insolvency, the IITK may, without prejudice to any other right or remedy available to it, terminate the Purchase Order with immediate effect by providing the Contractor with written notice thereof.

## **21. TERMINATION**

**21.1.** The IITK shall have the right to terminate the Purchase Order or any of the provisions thereof at any time by serving a three days' notice to the Contractor.

## **22. WAIVER**

A waiver of any breach of or default under the Contract / PO shall not constitute a waiver of any other breach or default and shall not affect the other terms of the Contract / PO. The rights and remedies provided by the Purchase Order are cumulative and are not exclusive of any other rights or remedies.

## **23. ADVERTISING**

The Contractor shall not advertise or otherwise make public the fact that it is a contractor to the IITK. The Contractor shall not in any way use the name, emblem, logo, official seal, or any abbreviation of the IITK.

## **24. DISCRETION AND CONFIDENTIALITY**

The Contractor is required to exercise the utmost discretion in all matters relating to the Contract / Purchase Order. Unless required in connection with the performance of the Purchase Order or expressly authorised in writing by the IITK, the Contractor shall not disclose at any time to any third party any information which has not been made public and which is known to the Contractor by reason of its association with the IITK. The Contractor shall not, at any time, use such information to any private advantage. These obligations do not lapse upon any completion, expiration, cancellation or termination of the Contract / PO.

## **25. NOTICES**

Any notice given in connection with the Contract shall be given in English and in writing and shall be deemed to be validly given if sent by registered mail or by fax or by email to the other Party at the following:

- a. for the IITK: the contact details set out in the 'IITK BUYER' name field of the Purchase Order; and
- b. for the Contractor: the contact details set out in the 'CONTRACTOR' named field of the IITK Contract/Purchase Order.

## **26. STAFF MEMBERS NOT TO BENEFIT**

The Contractor shall not grant to any official of the IITK any direct or indirect benefit or preferential treatment on the basis of the Purchase Order or the award thereof. Any breach of this provision shall constitute a fundamental breach of the Purchase Order.

## **27. GOVERNING LAW**

The Contract shall be governed by and construed in accordance with the substantive laws of the Republic of India.

## **28. SETTLEMENT OF DISPUTES**

**28.1.** The Parties shall use their best efforts to negotiate and amicably settle any disputes, controversies or claims arising out of, or in connection with, the Contract / Purchase Order or its interpretation.

**28.2.** If the Parties fail to settle the dispute amicably within thirty (30) Days of commencement of the negotiations, the dispute shall be settled through arbitration. One (1) sole arbitrator shall be appointed by the Director of IITK who shall have full powers to make final and binding decisions subject to prevailing laws of India. The appointing authority shall be the Director of IITK. The place of arbitration shall be Kanpur and the language used in the arbitration proceedings shall be English.

**29. PRIVILEGES AND IMMUNITIES**

No provision of the Contract / Purchase Order shall be deemed, or interpreted as, a waiver of the privileges and immunities enjoyed by the IITK.

**30. AMENDMENTS**

No modification, amendment or change to the Contract/Purchase Order, or waiver of any of its provisions, or any additional contractual relationship with the Contractor shall be valid unless approved in the form of a written amendment to the Contract/Purchase Order, signed by a fully authorised representative of each Party.

**31. VALIDITY**

The invalidity in whole or part of any condition of the Contract / Purchase Order or clause thereof shall not affect the validity of the remainder of such condition or clause.

**32. ENTIRE AGREEMENT**

The Contract / Purchase Order constitute the entire agreement and understanding of the Parties and supersede any previous agreement, whether orally or in writing, between the Parties relating to the subject matter of the Contract.

**33. GOVERNING LANGUAGE**

The Contract / Purchase Order shall be executed in the English language which shall be the binding and controlling language for all matters relating to the meaning and interpretation of the Contract / Purchase Order.

**TENDER ACCEPTANCE LETTER**  
**(To be given on Company Letter Head)**

Date: \_\_\_\_\_

To,  
The Officer-in-charge  
R&D Office  
IIT Kanpur-208016

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: -  
\_\_\_\_\_

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: \_\_\_\_\_ as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s), etc .,), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred/ terminated/ banned by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

**Yours Faithfully,**  
**(Signature of the Bidder, with Official Seal)**

**Certificate for Tender**  
**(To be given on Company Letter Head)**

Date: \_\_\_\_\_

To,  
The Officer-in-charge  
R&D Office  
IIT Kanpur-208016

Sub: Certificate of compliance as per Rule 144 (xi) GFR's 2017

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: -  
\_\_\_\_\_

1."I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

2. "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. I hereby certify that this bidder fulfills all the requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

**Yours Faithfully,**  
**(Signature of the Bidder, with Official Seal)**

**Declaration for Local Content**

**(To be given on Company Letter Head - For tender value below Rs.10 Crores)**

**(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 Crores)**

Date: \_\_\_\_\_

To,  
The Officer-in-charge  
R&D Office  
IIT Kanpur-208016

Sub: Declaration of Local content

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: - \_\_\_\_\_

1. Country of Origin of Goods being offered: \_\_\_\_\_
2. We hereby declare that items offered has \_\_\_\_% local content.
3. Details of location(s) at which the local value addition is made: \_\_\_\_\_

*“Local Content”* means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

*“\*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.”*

**Yours Faithfully,  
(Signature of the Bidder, with Official Seal)**

**FINANCIAL INFORMATION**  
(On the letter head of CA)

Tender No: \_\_\_\_\_ dated: \_\_\_\_\_

Item Name: \_\_\_\_\_

Bidder's/Firm's Name: \_\_\_\_\_

Address and Contact No: \_\_\_\_\_

\_\_\_\_\_

PAN No.: \_\_\_\_\_, GST No: \_\_\_\_\_

Details to be furnished duly supported by figures in the Balance Sheet/ Profit & Loss Account for the last three preceding years (Financial years) duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached).

Sl. No.	Details	Year ending 31 <sup>st</sup> March		
		FY 2021-22	FY 2022-23	FY 2023-24
01	Gross annual turnover			
02	Profit (+)/ Loss (-)			

1. Income Tax Return
2. Audited Account of the company for last three years

This is to certify that to the best of my knowledge and belief, the aforesaid facts and figures are correct and in conformity with the books of accounts of the establishment.

Dated:

Signature of Chartered Accountant  
with seal and membership number

**Bidder's Details**  
(On the letter head of the Bidder)

1	Name of the Firm/ Company		
2	Offered Product Name, Make and Model		
3	Name and Designation of Authorised Signatory		
4	Office Address of the Firm / Communication Address:		
5	Phone No/Mobile No:		
6	E-Mail ID:		
7	GST registration Number:		
8	PAN Number:		
9	Firm's Bank Account details	Bank Account No.:	
		Name of the Bank:	
		IFS Code No.:	
		Name of Branch:	
<b>Particular Details of the Bidders Representative</b>			
10	Contact Person: Mobile No:	Name of Person:	
		Designation:	
		Tele/Mobile No:	
		Email ID:	

Authorized Signatory (signature in full):

Name and Title of Signatory:

Company Rubber Stamp: